

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001771

## A. CLASSIFICATION OF SUBJECT MATTER

C07D491/10, 471/10, 221/20, 209/54, A61K31/438, 31/403, 31/407,

IPC7: A61P 11/06, 11/08, 19/02, 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D, A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9825605 A1 (MERCK & CO., INC.), 18 June 1998 (18.06.1998), see particularly examples 30-42 --	1-19
A	WO 0014086 A1 (LEUKOSITE, INC.), 16 March 2000 (16.03.2000), see particularly examples 68-77 --	1-19
A	Eur J Med Chem, Vol. 31, 1996, MD Pujol et al: "Novel tricyclic spiropiperidines. Synthesis and adrenergic activity of spiro(1,3-benzodioxolopiperidines) and spiro(1,3-benzodioxanepiperidines)", page 889 - page 894 --	1-19

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

4 March 2005

Date of mailing of the international search report

09-03-2005

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Eva Johansson/EÖ  
Telephone No. +46 8 782 25 00

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0164213 A1 (SMITHKLINE BEECHAM CORPORATION), 7 Sept 2001 (07.09.2001) --	1-19
A	WO 9831364 A1 (MERCK & CO., INC.), 23 July 1998 (23.07.1998) --	1-19
A	EP 0004951 A1 (HOECHST AKTIENGESELLSCHAFT), 31 October 1979 (31.10.1979) --	1-19
A	WO 02102387 A1 (H. LUNDBECK A/S), 27 December 2002 (27.12.2002) --	1-19
P,A	WO 2004005295 A1 (ASTRAZENECA AB), 15 January 2004 (15.01.2004) -- -----	1-19

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## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 18, 19  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claims 18-19 relate to a method of treatment of the human or animal body by surgery or by therapy, as well as diagnostic  
.../...
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Box II.1

methods /Rule 39.1(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds.

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WO	9825605	A1	18/06/1998	AU	737107	B	09/08/2001
				AU	4954297	A	29/05/1998
				AU	5803398	A	03/07/1998
				CA	2271146	A	14/05/1998
				EP	0937244	A	25/08/1999
				GB	9703005	D	00/00/0000
				NZ	335885	A	26/01/2001
				US	6387232	B	14/05/2002
				US	5962462	A	05/10/1999
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WO	0014086	A1	16/03/2000	AU	2464999	A	27/03/2000
				CA	2342882	A	16/03/2000
				EP	1109804	A	27/06/2001
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				US	6288083	B	11/09/2001
				US	6288084	B	11/09/2001
				US	6503926	B	07/01/2003
				US	20020161005	A	31/10/2002
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WO	0164213	A1	07/09/2001	AU	4339401	A	12/09/2001
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WO	9831364	A1	23/07/1998	AU	6133098	A	07/08/1998
				CA	2278309	A	23/07/1998
				EP	1003743	A	31/05/2000
				GB	9707490	D	00/00/0000
				JP	2001508798	T	03/07/2001
				US	6124319	A	26/09/2000
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EP	0004951	A1	31/10/1979	CA	1132988	A	05/10/1982
				CA	1132989	A	05/10/1982
				DE	2961804	D	00/00/0000
				ES	479368	A	16/07/1979
				JP	54145660	A	14/11/1979
				US	4166120	A	28/08/1979
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WO	02102387	A1	27/12/2002	NONE			
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WO	2004005295	A1	15/01/2004	AU	2002353713	A	00/00/0000
				CA	2462819	A	30/05/2003
				EP	1451356	A	01/09/2004
				SE	0202133	D	00/00/0000
				US	20050003361	A	06/01/2005